BRUHAT BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

Office of the Executive Engineer Dasarahalli Division

SCHDULE-B

Name of Work:-Improvements to Road & Drain at Nisarga layout in ward No.14 Bagalagunte

Sl	Description of Work	Unit	Qty	Sanctioned Rates		Amount
				In figures (Rs)	In Words (Rs)	
1	2	3	4	5	6	7
1	Earthwork excavation and forming in embankment by manual means in **ordinary soil** with initial lead upto 15 m. and lift of 1.5m. (when earth is taken from bank cutting or from borrow pits) including breaking of clods, spreading to required line and level, forming, and cost of all labour complete as per specifications.	Cum	**27.00**	65.88	Rupees Sixty Five & Eighty eight Paise Only	1779.00
2	Removing **B.S.Slab** of drain and stacking etc., complete	Sqm	**97.20**	50.11	Rupees Fifty & Eleven Paise only	4871.00
3	Providing and laying in position **plain cement concrete** of mix M7.5 with OPC cement @180 kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials,	**Cum**	**16.20**	4211.38	Rupees Four thousand two hundred eleven and thirty eight Paise only	68224.00
4	Providing and laying in position plain cement concrete of mix M15 with OPC cement @240 kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	**Cum**	**5.40**	4690.50	Rupees Four Thousand six hundred ninty & fifty Paise Only	25329.00
5	Refixing stone slabs of drains and pointing in CM 1:3 etc complete	Sqm	**97.20**	70.04	Rueeps seventy & four paise only	6808.00
6	Providing Granite slabs selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete 7.5 thick (P. 27 I. 5.31.1)	Sqm	**130.80**	343.44	Rupees Three hundred forty three & forty four Paise only	44922.00
7	Providing and constructing precast **concrete solid blocks** with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size **40x20x20** cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications.	Sqm	**144.00**	924.48	Rupees Nine hundred twenty four & Forty eight Paise Only	133125.00

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8	Supplying and fixing precast rainforced concee slab 10cm thick including cost of reinforcement as per design and drawing material cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface stc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of all materials.	Cum	104.40	1600.00	Rupees One thousand Six hundred Only	167040.00
9	Excavation for road, drains and similar works - KSRRB 300-2. Earthwork excavation by manual means in Ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH Chapter 3	Cum	**46.04**	65.88	Rupees Sixty five & eighty eight Paise Only.	3033.00
10	**For Grading I Material** Construction of **granular sub-base** by providing close graded granular sub-base Material, mixing in a mechanical mix plant at OMC, carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per Specifications. A. Plant Mix Method.	Cum	**15.35**	1060.56	Rupees One thousand Sixty & Fifty six paise Only	16274.00
11	Providing, laying, spreading and compacting graded stone aggregate to **wet mix macadam** Specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per Specifications	Sqm	**30.69**	1121.04	Rupees One thousand one hundred twenty one & Four Paise Only	34405.00
12	Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications.	Sqm	**2860.00**	2.59	Rupees Two & Fifty Nine Paise Only	7407.00
13	Providing and applying tack coat on the prepared black topped surfaces at 5kg per 10 sqm, heating bitumen in boiler fitted with spray set (Excluding cleaning of road surface) including cost of all Materials, labour, HOM of machineries complete as per specifications.	Sqm	**2860.00**	21.71	Rupees Twenty One & Seventy One Paise Only	62091.00

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14	oviding & Laying **Bituminous macadam** on prepared surface with crushed coarse aggreg s as per design mix formula for base/binding course including loading of aggregates with F.E. Loader, hot mixing of stone aggregates and bitumen in hot mix plant 40 tonne capacity, transporting the mixed material in tipper to paver and laying mixed materias with paver finisher to the required level and grade, rolling by power roller to achieve desired density, 50/75 mm compacted thickness with 3.3 % bitumen but excluding cost of primer/tack coat with lead upto 1 km including cost of all materials, labour, HOM of machineries complete as per specificification with 80/100n grade bitemen	Cum	**29.12**	6646.32	Rupees Six Thousand Six hundred Forty six & Thirty two Paise Only	193541.00
15	Providing and laying **semi dense bituminous concrete** 25 - 30mm compacted thickness with 5% bitumen with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled vibratory and ttandem rollers to achieve the desired compaction as per MoRTH specification clause No. 508 complete in all respects with 80 / 100 grade bitumen with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work.	Cum	**85.80**	9631.44	Rupees Nine thousand Six hundred thirty one & Forty four Paise Only	826378.00
16	Carriage of Mixed Materials		**114.92**	52.11	Rupees Fifty two & Eleven Paise Only	5988.00
17	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading	Cum	**27.00**	78.24	Rupees Seventy eight & Twenty four Paise only	2112.00
					Total	**1603327.00**
					KRIDL Charges-10%	195000.00
					misc	1673.00
					Grand Total	**1800000.00**

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